

PTO-1449 REPRODUCED  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION  June 20, 2005  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3462.1010-000		APPLICATION NO. 10/509,785	
	FIRST NAMED INVENTOR Hisashi Narimatsu		FILING DATE May 11, 2005	
	EXAMINER IQBAL CHAUDHURY		CONFIRMATION NO. 3100	GROUP <del>1646</del> 1652

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EXAMINER <i>Daniel Chou</i>	DATE CONSIDERED <i>3/13/06</i>
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	FIRST NAMED INVENTOR Hisashi Narimatsu		FILING DATE IA filing date: 03/27/03
	EXAMINER I. Chowdhury	CONFIRMATION NO. 3100	GROUP 1652

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
22	B1	WO 98/56804 A1	12-17-1998	Human Genome Sciences, Inc.	
22	B2	WO 99/14328 A2	03-25-1999	Genentech, Inc.	
22	B3	WO 00/56891 A2	09-28-2000	Incyte Pharmaceuticals, Inc.	
22	B4	WO 01/04311 A1	01-18-2001	Genentech, Inc.	
22	B5	WO 01/53312 A1	07-26-2001	Hyseq, Inc.	
22	B6	WO 02/22660 A2	03-21-2002	Hyseq, Inc.	

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
22	C1	Allen, A., et al., "Origin and structure of pathogenic IgA in IgA nephropathy," <i>Biochem. Soc. Trans.</i> , 25(2): 486-490 (1997).
22	C2	Allen, A., and Feehally, J., "IgA Glycosylation in IgA Nephropathy," <i>Adv. Exp. Med. Biol.</i> , 435: 175-183 (1998).
22	C3	Allen, A.C., et al., "Galactosylation of N- and O-linked carbohydrate moieties of IgA1 and IgG in IgA nephropathy," <i>Clin. Exp. Immunol.</i> , 100(3): 470-474 (1995).
22	C4	Allen, A.C., et al., "Leucocyte $\beta$ 1,3 galactosyltransferase activity in IgA nephropathy," <i>Nephrol. Dial Transplant</i> , 12(4): 701-706 (1997).
22	C5	Greer, M. R., et al., "The nucleotide sequence of the IgA1 hinge region in IgA nephropathy," <i>Nephrol. Dial Transplant</i> , 13(8): 1980-1983 (1998).
22	C6	Hiki, Y., et al., "Serum IgA Class Anti-IgA Antibody in IgA Nephropathy," <i>Nephron</i> , 59(4): 552-560 (1991).
22	C7	Hiki, Y., et al., "O-linked Oligosaccharide on IgA1 Hinge Region in IgA Nephropathy," <i>Contrib. Nephrol.</i> , 111: 73-84 (1995).
22	C8	Hiki, Y., et al., "Association of Asialo-galactosyl $\beta$ 1-3N- acetylgalactosamine on the Hinge with a Conformational Instability of Jacalin-Reactive Immunoglobulin A1 in Immunoglobulin A Nephropathy," <i>J. Am. Soc. Nephrol.</i> 7(6): 955-960 (1996).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
H	C9	Hiki, Y., et al., "Reactivity of Glomerular and Serum IgA1 to Jacalin in IgA Nephropathy," <i>Nephron</i> , 72(3): 429-435 (1996).
H	C10	Iwase, H., et al., "Analysis of Glycoform of O-Glycan from Human Myeloma Immunoglobulin A1 by Gas-Phase Hydrazinolysis Following Pyridylation of Oligosaccharides," <i>Anal. Biochem.</i> , 206(1): 202-205 (1992).
H	C11	Iwase, H., et al., "Estimation of the Number of O-linked Oligosaccharides per Heavy Chain of Human Serum IgA1 by Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry (MALDI-TOFMS) Analysis of the Hinge Glycopeptide," <i>J. Biochem (Tokyo)</i> , 120(2): 393-397 (1996).
H	C12	Iwase, H., et al., "Abundance of Gal $\beta$ 1,3GalNAc in O-Linked Oligosaccharide on Hinge Region of Polymerized IgA1 and Heat-Aggregated IgA1 from Normal Human Serum," <i>J. Biochem (Tokyo)</i> , 120(1): 92-97 (1996).
H	C13	Iwase, H., et al., "Application of matrix-assisted laser desorption ionization time-of-flight mass spectrometry to the analysis of glycopeptide-containing multiple O-Linked oligosaccharides," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> 709(1): 145-149 (1998).
H	C14	Iwase, H., et al., "Study of the Relationship between Sticky Human Serum IgA1 and its O-Glycan Glycoform," <i>Biochem. Biophys. Res. Commun.</i> , 261(2): 472-477 (1999).
H	C15	Iwase, H., et al., "Mutual separation of hinge-glycopeptide isomers bearing five N-acetylgalactosamine residues from normal human serum immunoglobulin A1 by capillary electrophoresis," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> , 728(2): 175-183 (1999).
H	C16	Iwase, H., and Hiki, Y., "Incompleteness of Mucin-Type Sugar Chain of Human Serum IgA1 as Possible Cause of IgA Nephropathy," <i>Trends in Glycoscience and Glycotechnology</i> , 11(59): 113-118 (1999).
H	C17	Iwase, H., et al., "Aggregated human serum immunoglobulin A1 induced by neuraminidase treatment had a lower number of O-linked sugar chains on the hinge portion," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> , 724(1): 1-7 (1999).
H	C18	Ju, T., et al., "Cloning and Expression of Human Core 1 $\beta$ 1,3-Galactosyltransferase," <i>J. Biol. Chem.</i> , 277(1): 178-186 (2002).
H	C19	Ju, T., et al., "Purification, Characterization, and Subunit Structure of Rat Core 1 $\beta$ 1,3-Galactosyltransferase," <i>J. Biol. Chem.</i> , 277(1): 169-177 (2002).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Jr	C20	Ju., T., and Cummings, R. D., "A unique molecular chaperone Cosmc required for activity of the mammalian core 1 $\beta$ -galactosyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> , 99(26): 16613-16618 (2002).
Jr	C21	Keusch, J., et al., "B lymphocyte galactosyltransferase protein levels in normal individuals and in patients with rheumatoid arthritis," <i>Glycoconj. J.</i> , 15(11): 1093-1097 (1998).
Jr	C22	Kudo, T., et al., "Molecular Cloning and Characterization of a Novel UDP-Gal:GalNAc $\alpha$ Peptide $\beta$ 1,3-Galactosyltransferase (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan," 277(49): 47724-47731 (2002).
Jr	C23	Kokuba, T., et al., "Protective Role of IgA1 Glycans Against IgA1 Self-Aggregation and Adhesion to Extracellular Matrix Proteins," <i>J. Am. Soc. Nephrol.</i> , 9(11): 2048-2054 (1998).
Jr	C24	Leppänen, A., et al., "A Novel Glycosulfopeptide Binds to P-selectin and Inhibits Leukocyte Adhesion to P-selectin," <i>J. Biol. Chem.</i> , 274(35): 24838-24848 (1999).
Jr	C25	Leung, J. C. K., et al., "Increased sialylation of polymeric immunoglobulin A <sub>1</sub> : Mechanism of selective glomerular deposition in immunoglobulin A nephropathy?," <i>J. Lab Clin. Med.</i> , 133(2): 152-160 (1999).
Jr	C24	Mestecky, J., et al., "Defective Galactosylation and Clearance of IgA1 Molecules as a Possible Etiopathogenic Factor in IgA Nephropathy," <i>Contrib. Nephrol.</i> 104: 172-182 (1993).
Jr	C27	Saulsbury, F. T., "Alterations in the O-Linked Glycosylation of IgA1 in Children with Henoch-Schönlein Purpura," <i>J. Rheumatol.</i> , 24(11): 2246-2249 (1997).
Jr	C28	Tanaka, A., et al., "Evidence for a site-specific fucosylation of N-linked oligosaccharide of immunoglobulin A1 from normal human serum," <i>Glycoconj. J.</i> , 15(10): 995-1000 (1998).
Jr	C24	Wold, A. E., et al., "Characterization of IgA1, IgA2 and Secretory IgA Carbohydrate Chains Using Plant Lectins," <i>Adv. Exp. Med. Biol.</i> , 371A: 585-589 (1995).
Jr	C30	Zhang, W. and Lachmann, P. J., "Glycosylation of IgA is required for optimal activation of the alternative complement pathway by immune complexes," <i>Immunology</i> , 81(1): 137-141 (1994).

EXAMINER <i>Abha Choudhury</i>	DATE CONSIDERED <i>3/13/06</i>
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